

## METHODS FOR QUANTIFYING THE OXIDATION STATE OF GLASS

### **ABSTRACT OF THE INVENTION**

**[0043]** The present invention provides methods for measuring Fe (II) and Fe (III) levels in a glass composition, for using those measured levels for determining a relative oxidation state of the glass material, and for further making a determination based on those measurements as to the quality of the glass material. In addition, methods are presented for determining the reliable quality of ultra fine/ultra thin glass in the time and labor efficient manner.